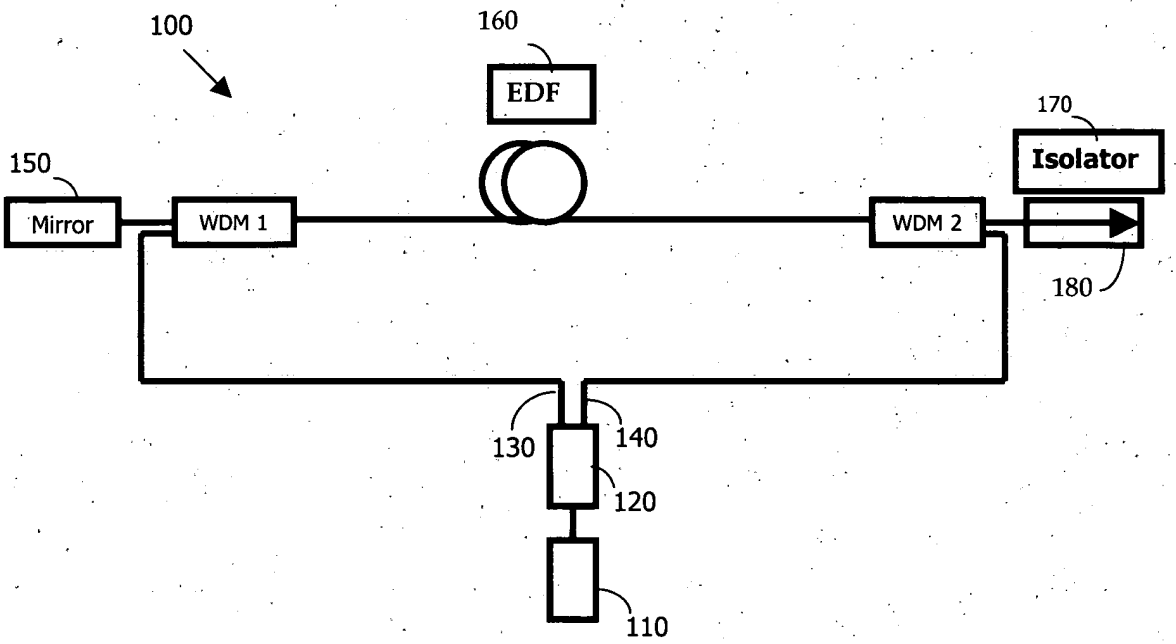
100
160
EDF
170
Isolator
150
Mirror
WDM 1
WDM 2
180
130
140
120
110

Figure 1

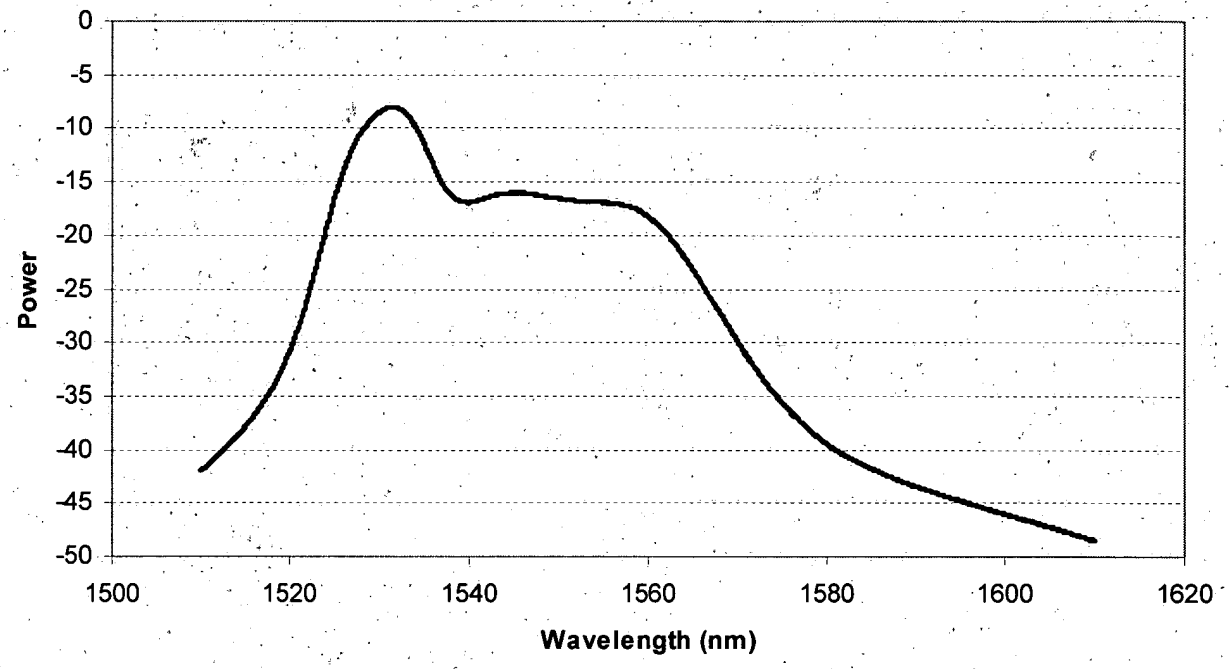

Figure 2A

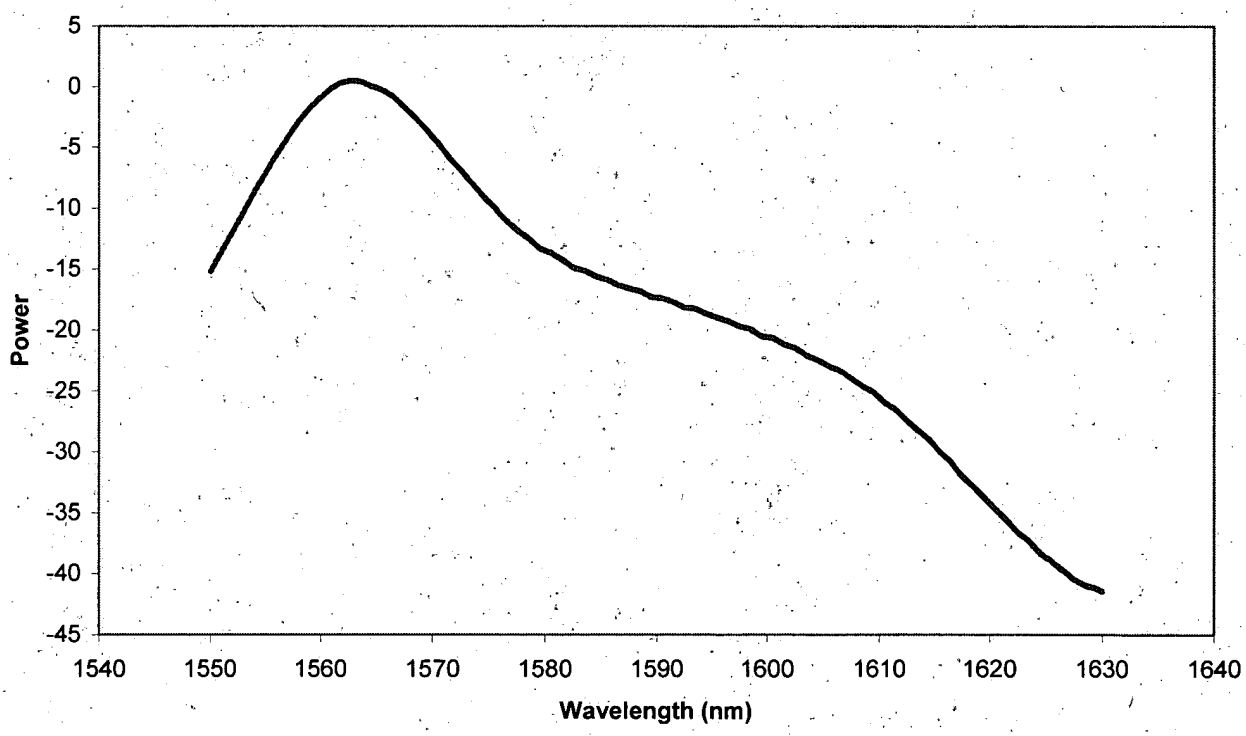

Figure 2B

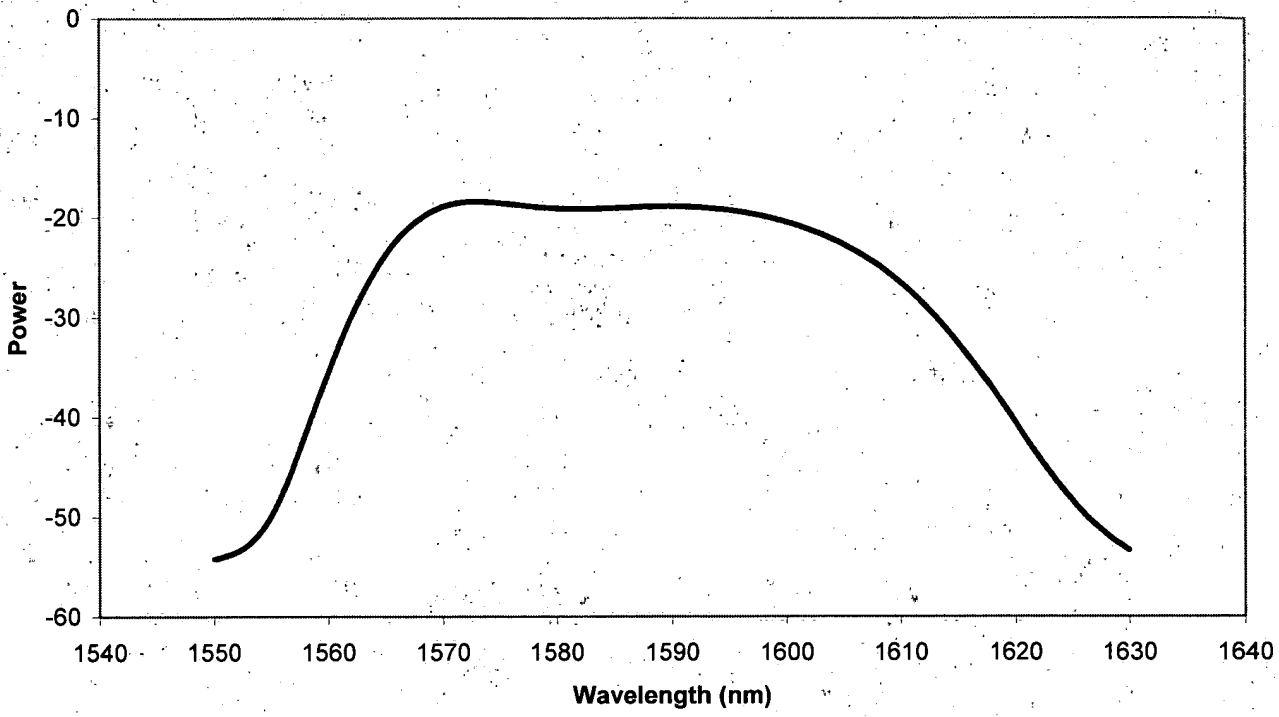
0
-10
-20
-30
-40
-50
-60
Power
1540
1550
1560
1570
1580
1590
1600
1610
1620
1630
1640
Wavelength (nm)

Figure 2C

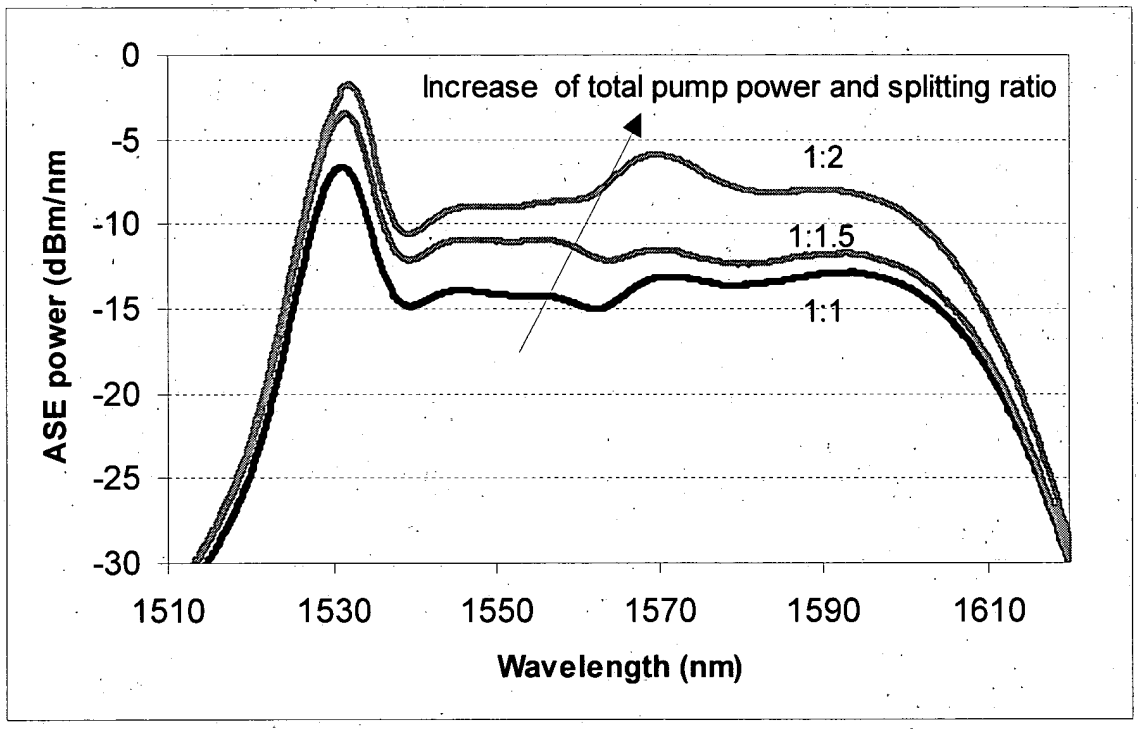
Increase of total pump power and splitting ratio
1:2
1:1.5
1:1
ASE power (dBm/nm
0
-5
-10
-15
-20
-25
-30
1510
1530
1550
1570
1590
1610
Wavelength (nm)

Figure 3